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(54) Title: METHODS FOR DETECTING END-POINTS FOR CLEANING PROCESSES OF AEROSPACE COMPONENTS

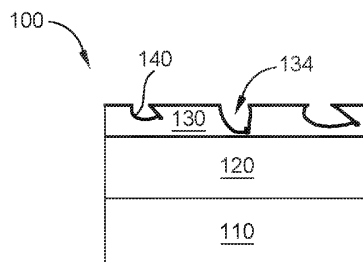


FIG. 1C

(57) Abstract: Embodiments of the present disclosure generally relate to methods for detecting end-points of cleaning processes for aerospace components containing corrosion. The method includes exposing the aerospace component to a first solvent, exposing the aerospace component to a first water rinse, and analyzing a first aliquot of the first water rinse by absorbance spectroscopy to determine an intermediate solute concentration in the first aliquot, where the intermediate solute concentration is greater than a reference solute concentration. The method further includes exposing the aerospace component to an aqueous cleaning solution to remove corrosion from the aluminum oxide layer, exposing the aerospace component to a second solvent, and exposing the aerospace component to a second water rinse, and analyzing a second aliquot of the second water rinse by absorbance spectroscopy to determine a post-clean solute concentration in the second aliquot, where the post-clean solute concentration is less than the intermediate solute concentration.

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